

10/533078

Rec'd PCT/PTO 28 APR 2005

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/13855

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ C12N15/09, A01K67/027, C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ C12N15/09, A01K67/027, C12N5/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubMed, BIOSIS/WPI (DIALOG), JSTPlus (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X/Y	Xia H. et al., siRNA-mediated gene silencing in vitro and in vivo, Nat. Biotechnol., 2002 October, Vol.20, No.10, pages 1006 to 1010 (Epub 16 September, 2002 (16.09.02))	1, 2, 4, 7, 13-16, 19-21, 24, 25/3, 5, 6, 8-12, 17, 18, 22, 23
Y	Huang Y. et al., Role of polyadenylation in nucleocytoplasmic transport of mRNA, Mol. Cell. Biol., 1996, Vol.16, pages 1534 to 1542	5, 6
A	McKendrick L. et al., Interaction of eukaryotic translation initiation factor 4G with the nuclear cap-binding complex provides a link between nuclear and cytoplasmic functions of the m(7) guanosine cap., Mol. Cell. Biol., 2001 June, Vol.21, No.11, pages 3632 to 3641	1-25

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
05 February, 2004 (05.02.04)Date of mailing of the international search report
17 February, 2004 (17.02.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Yonaha M. et al., Transcriptional termination and coupled polyadenylation in vitro., EMBO J., 2000, Vol.19, pages 3770 to 3777	8
Y	Database GenBank, Accession No.AF435852, 12 November, 2001 (12.11.01), Definition: Mus musculus Ski proto-oncogene (Ski) mRNA, complete cds.	10-12,17,18, 22,23
A	Zeng Y. et al., RNA interference in human cells is restricted to the cytoplasm., RNA, 2002 July, Vol.8, No.7, pages 855 to 860	1-25
P,A	Lee Y. et al., The nuclear RNase III Drosha initiates microRNA processing., Nature., 25 September, 2003 (25.09.03), Vol.425, No.6956, pages 415 to 419	1-25
P,A	Papp I. et al., Evidence for nuclear processing of plant micro RNA and short interfering RNA precursors., Plant Physiol., 2003 July, Vol.132, No.3, pages 1382 to 1390	1-25
P,X	Shinagawa T. et al., Generation of Ski-knockdown mice by expressing a long double-strand RNA from an RNA polymerase II promoter., Genes Dev., 01 June, 2003 (01.06.03), Vol.17, No.11, pages 1340 to 1345	1-25